1	PRECISION DEVICE OR PROCESS - OR	42	Lens
_	WITH CONDITION RESPONSIVE	43	Edging
	CONTROL	44	Edging
2	.Condition responsive control for	45	.Razor, knife, or scissors
_	sandblasting		sharpening
3	Cyclic control	46	.Gauge abrading
4	.Tape controlled	47	.Gear or worm abrading
5	.Computer controlled	48	.Drill, thread, thread cutter,
6	.By optical sensor		reamer, or rotary cutter
7	.Controlling temperature		abrading
8	.With indicating	49	.Roll, roller, shaft, ball, or
9	Of tool or work holder position		piston abrading
	_	50	Ball abrading
10	And feeding of tool or work	51	.Ring, tube, bushing, sleeve, or
11	holder	0 =	cylinder abrading
11	.With feeding of tool or work	52	Bearing raceway
10	holder	53	.With critical temperature
12	And use of moving abutment		modification or control of
13	Moved by cam		work or abradant
14	Screw actuated	54	.With critical nonabrading work
15	Manually adjustable	J 1	treating work
16	Ratchet and pawl drive	55	Deforming
17	Sizing gauge controlled	56	.With tool treating or forming
18	Cam actuated	57	.Combined abrading
19	Hydraulically driven	58	Utilizing mounted rigid
20	Table dog actuated	30	abrading tool only
21	Tool wear compensation	59	.Utilizing nonrigid tool
22	Sizing gauge controlled	60	.Abradant supplying
23	Cam actuated	61	.Hollow work
24	Hydraulically driven	62	.Cam
25	Sizing gauge controlled	63	
26	Control means near and	63 64	.Side face of disk MACHINE
	parallel to the abrader		
27	Tool interior of workpiece	65	.Combined
28	ABRADING PROCESS	66	Scouring or polishing means
29	.Utilizing shield (mask or	67	With nonabrading means
	stencil)	68	Work deformer
30	With in situ removal of	69	Cutter
	nonresist portion of shield	70	Including abrader for cut
31	With preparation of shield	5 1	surface
32	.Tumbling	71	Drill
33	Including temperature	72	Having means to refurbish
	modification or control		abrading tool
34	In at least one of plural	73	Adjunct
	abrading steps	74	.Graining box
35	With auxiliary work treating or	75	.Sandblast
	in critical fluent medium	76	Hollow interior work
36	.Utilizing fluent abradant	77	Spark plug
37	Combined abrading	78	Electrical device
38	By blasting	79	File
39	With nonsiliceous abradant	80	Having moving work holder
40	With nonatmospheric fluid	81	Endless belt type
	carrier	82	Rotary
41	.Glass or stone abrading	83	Rollers
	=		

84	Table	130	One-way work traverse
85	Having tumbling barrel	131	Roller work feed
86	And centrifugal particle	132	Opposed
00	propulsion means	133	Reciprocating work holder
87	Having particle recovery means	134	Rotating work holder
88	And separation means	135	_
89	And separation meansHaving sandblast chamber	136	Planetary
			Reciprocating work holder
90	Having hand-directed sandblast	137	Rectilinear
0.1	nozzle	138	Rocking
91	Abradant propulsion means	139	Swinging tool carrier
92	Mobile machine	140	Work rotating
93	Magnetic	141	Helical blade
94	Mechanical	142	Cylindrical surface (e.g.,
95	Centrifugal batter with		roll) abrader
	abradant supply	143	Rotary work holder
96	Powered abradant supply	144	Pattern and follower driver
97	Centrifugal batter	145	Hydraulic driver
98	Vane structure	146	Disk or wheel abrader
99	Abradant supply structure	147	Gear abrader
100	Multiple hopper	148	Hob
101	Valve structure	149	Turret
102	Sandblast nozzle structure	150	Rectilinearly reciprocating
103	.Scouring device		tool carriage
104	Immersion	151	Hydraulic driver
105	Roller work feed	152	Screw and nut driver
106	Rotary work holder	153	Flexible driver
107	Drawing reel	154	Rack and pinion driver
108	Reciprocating scouring tool	155	Reciprocating spindle
109	Rotary cylindrical scouring	156	Hydraulic driver
	tool	157	Cam and follower driver
110	Opposed pair of scouring tools	158	Disk tool
111	Rotary disk-shaped scouring	159	Oscillating
	tool	160	Rectilinear
112	Opposed pair of scouring tools	161	Gear abrader
113	.Immersion	162	.Reciprocating tool
114	.By use of plural work holders,	163	Oscillating
	without tool	164	Rectilinear
115	Of valve and seat	165	Ultrasonic
116	Plug cock	166	Compound rectilinear motion
117	Poppet valve	167	
118	Slide valve		Endless work carrier
119	Sinde valve .Rotary reciprocating tool	168	Flexible strip or endless band
120	Cylindrical tool	1.60	tool
	-	169	Stropping machine
121	Oscillating	170	Reciprocating work holder
122	Harvester knife	171	Rocking
123	Work rotating	172	Roller work feed
124	Rectilinear	173	Rotary work holder
125	Pattern and follower driver	174	Swinging tool carrier
126	Blade reversing (e.g., razor	175	Having actuating handle
4.00	blade)	176	Drawing reel
127	Compound rectilinear motion	177	.Rotary tool
128	Harvester knife	178	Rotary cylinder
129	One-way work cut	179	Linear indexing of the tool

180	Internal	231	Stationary work holder
181	Abrading crank-pin	232	Reversing, obverting, or
182	One-way work traverse		pivoting
183	Drawing reel	233	Spaced portions
184	Endless work carrier	234	Blade sharpener
185	Blade sharpener	235	Harvester knife
186	Nut and screw	236	Swinging tool carrier
187	Blade sharpener	237	Templet
188	Roller work feed	238	Pantograph
189	Work rotating	239	Rotary templet or pattern
190	Opposed abrading tools	240	Lens abrader
191	Razor blade	241	Work guide
192	Blade sharpener	242	Work rotating
193	Blade sharpener	243	With "dead" center
193	-	243	
	Opposed abrading tools		Work handling
195	Alternating tools	245	Through feed
196	Blade sharpener	246	Rotary work holder
197	Plunger infeeder	247	Turret
198	Blade sharpener	248	Blade sharpener
199	Reciprocating work holder	249	Spaced abrading areas
200	Rectilinear	250	By hob
201	Rocking	251	Abrading eccentric shape
202	Blade sharpener	252	Valve abrader
203	Blade sharpener	253	Gear abrader
204	Rocking	254	Disk or wheel abrader
205	Blade sharpener	255	Lens abrader
206	Blade sharpener	256	Lens abrader
207	Roller work feed	257	Glassware ornamenting
208	Blade sharpener	258	Disk or wheel abrader
209	Work rotating	259	Rotary disk
210	Rotary work holder	260	One-way work traverse
211	Planetary	261	Opposed abrading tools
212	Reciprocating work holder	262	Opposed abrading tools
213	Rectilinear	263	Blade reversing
214	Indexing	264	Reciprocating work holder
215	Compound	265	Rectilinear
216	Rocking	266	Rocking
217	Hob, tap, or fluted thread	267	Work guide
218	Work rotating	268	Work galde
219	Gear forming	269	Rotary work holder
220	_	270	Orbital
221	Long helix	270	
	Rotary work holder	271	Planetary
222	Thread abrader		Reciprocating work holder
223	Including work support	273	Rectilinear
	engaging work at opposite,	274	Work rotating
	axial ends; e.g., opposed	275	Gear generating
0.0.4	"centers"	276	Rocking
224	Blade sharpener	277	Lens abrader
225	Harvester knife	278	Stationary work holder
226	Rocking	279	Reversing, obverting, or
227	Work rotating		pivoting
228	Noncircular cross section	280	Swinging tool carrier
229	Blade sharpener	281	Templet
230	Harvester knife	282	Work guide

283	Work rotating	333	With hopper or magazine
284	Raceway	334	.Reciprocating
285	Rotary work holder	335	With hopper or magazine
286	By means loosely confining	336	.Endless
	work	337	With hopper or magazine
287	Planar surface abrading	338	.Skewed feed rollers
288	Having pressure plate	339	.Ejector or unloader
289	Having vacuum or adhesive	340	FRAME OR MOUNT
	securing means	341	.Double treadle
290	Disk or wheel abrader	342	.For hanging rigid, rotary
291	Planetary		abrading tool
292	Turret	343	With balancing provision
293	Blade sharpener	344	.Portable abrader
294	Means to rotate tool	345	Button cleaner
295	Hydraulic driver	346	Calk sharpener
296	.Endless band tool	347	Rail abrader
297	Belt tracking	348	Roll or wheel abrader
298	Chain	349	Edge-tool sharpener
299	One-way work traverse	350	Floor surfacing machine
300	Endless work carrier	351	Reciprocating tool
301	Roller work feed	352	Rotary cylinder tool
302	Opposed endless band abrading	353	Rotary disk tool
	tools	354	Wall surfacing machine
303	Presser or former	355	Endless band tool
304	Reciprocating band carrier	356	Reciprocating tool
305	Reciprocating work holder	357	Orbital motion tool
306	Work rotating	358	Rotary cylinder tool
307	Rotary work holder	359	Rotary disk tool
308	Turret	360	.Rotary tool supporter
309	Superposed endless band tools	361	Floor or bench stand
310	Swinging band carrier	362	Turret
311	Tension device	363	Machine head
312	.Stationary tool	364	WORK HOLDER
313	Flexible	365	.Clamp
314	Reciprocating work holder	366	Work oscillating
315	Needle-eye polisher	367	Edge tool
316	Stropping machine	368	Seat controlled
317	Work rotating	369	Gauging device
318	Stropping machine	370	Portable
319	Stropping machine	371	Blade sharpener
320	Reciprocating work holder	371	-
321			Harvester knife
321	Blade sharpener	373	Suspension
323	Blade reversing	374	Rotary cutter
	Lens abrader	375	Drill
324	Rotary work holder	376	Pattern control
325	Lens abrader	377	Work reciprocating
326	.Tumbling device	378	Portable
327	Rotating work about vertical	379	Work rotating
200	axis	380	Angularly adjustable
328	Drum	381	Hollow work
329	Planetary	382	Hypodermic needle
330	Tumbling shapes	383	Skate
331	WORK FEEDER	384	Lens holder
332	.Rotary	385	Work rotating

386	Portable	437	Internal abrader
387	Angularly adjustable	438	.To work guide
388	.Vacuum	439	.To the work
389	.Drop or dop stick	440	.Internal abrader
390	.Lens or prism	441	.Orbital tool
391	.Portable	442	ACCESSORY
392	.Work reciprocating	443	.Dressing
393	Rectilinearly	444	.Tool cleaner
394	And work rotating	445	.Erasing shield
395	Hydraulically actuated	446	.Abradant supplying
396	Rocking	447	Grader
397	.Work rotating	448	.Button cleaning shield
398	Rotary work holder	449	.Cooling
399	Crank shaft	450	Wetting grindstone
400	Orbital movement	451	.Guard or housing
401	Turret	452	Breakage guard
402	.Rotary	453	Collector
403	.Indexing	454	Drive shield
404	Hand operated	455	Spark or splash guard
405	.Angularly adjustable	456	Suction
406	WORK REST	457	Work guard
407	.For centerless abrader	458	.Abrading sheet applying device
408	.Steady rest	459	.Strop surface renewing
409	.Tool tooth rest	460	.Work-mounting device
410	.Gauging device	461	COMBINED TOOL
411	WORK TABLE	462	.Internal
412	.Glass work	463	CARRIER FOR RELATIVELY MOVABLE
413	.Work rotating	103	SIMULTANEOUSLY USABLE TOOLS
414	.Angularly adjustable	464	.For radially movable tools
415	ATTACHMENT	465	Centrifugal force urged tools
416	.To textile machine to abrade	466	Flexible flail tools
110			
		46.7	With tool gupply or gtorage
417	card Flat card	467 468	With tool supply or storage
417	Flat card	467 468	Including self-sustaining
417 418	Flat card .To electrical machine to abrade	468	Including self-sustaining tools
418	Flat card .To electrical machine to abrade commutator		<pre>Including self-sustaining toolsWith discrete</pre>
	Flat card.To electrical machine to abrade commutator.To cutting machine to sharpen	468	<pre>Including self-sustaining toolsWith discrete nondestructible tool-securing</pre>
418 419	Flat card.To electrical machine to abrade commutator.To cutting machine to sharpen blade	468 469	Including self-sustaining toolsWith discrete nondestructible tool-securing means
418 419 420	Flat card.To electrical machine to abrade commutator.To cutting machine to sharpen bladeRotary abrading tool	468	Including self-sustaining toolsWith discrete nondestructible tool-securing meansIncluding conoid or wedge tool
418 419 420 421	 Flat card .To electrical machine to abrade commutator .To cutting machine to sharpen blade Rotary abrading tool Rotary reciprocating tool 	468 469 470	 Including self-sustaining tools With discrete nondestructible tool-securing means Including conoid or wedge tool moving member
418 419 420 421 422	 Flat card .To electrical machine to abrade commutator .To cutting machine to sharpen blade Rotary abrading tool Rotary reciprocating tool Work actuated 	468 469 470 471	 Including self-sustaining tools With discrete nondestructible tool-securing means Including conoid or wedge tool moving member With threaded operator
418 419 420 421 422 423	 Flat card .To electrical machine to abrade commutator .To cutting machine to sharpen blade Rotary abrading tool Rotary reciprocating tool Work actuated Stationary abrading tool 	468 469 470 471 472	 Including self-sustaining tools With discrete nondestructible tool-securing means Including conoid or wedge tool moving member With threaded operator To move conoid member
418 419 420 421 422 423 424	Flat card .To electrical machine to abrade commutator .To cutting machine to sharpen bladeRotary abrading toolRotary reciprocating toolWork actuatedStationary abrading tool .Roll or wheel abrader	468 469 470 471	 Including self-sustaining tools With discrete nondestructible tool-securing means Including conoid or wedge tool moving member With threaded operator To move conoid member To actuate pivotally mounted
418 419 420 421 422 423 424 425	Flat card .To electrical machine to abrade commutator .To cutting machine to sharpen bladeRotary abrading toolRotary reciprocating toolWork actuatedStationary abrading tool .Roll or wheel abraderRotary reciprocating tool	468 469 470 471 472 473	 Including self-sustaining tools With discrete nondestructible tool-securing means Including conoid or wedge tool moving member With threaded operator To move conoid member To actuate pivotally mounted tools
418 419 420 421 422 423 424 425 426	Flat card .To electrical machine to abrade commutator .To cutting machine to sharpen bladeRotary abrading toolRotary reciprocating toolWork actuatedStationary abrading tool .Roll or wheel abraderRotary reciprocating toolReciprocating tool	468 469 470 471 472	<pre>Including self-sustaining toolsWith discrete nondestructible tool-securing meansIncluding conoid or wedge tool moving memberWith threaded operatorTo move conoid memberTo actuate pivotally mounted toolsFor movement of conoid</pre>
418 419 420 421 422 423 424 425 426 427	Flat card .To electrical machine to abrade commutator .To cutting machine to sharpen bladeRotary abrading toolRotary reciprocating toolWork actuatedStationary abrading tool .Roll or wheel abraderRotary reciprocating toolRotary reciprocating toolRotary reciprocating toolRotary reciprocating toolRotary reciprocating tool	468 469 470 471 472 473	 Including self-sustaining tools With discrete nondestructible tool-securing means .Including conoid or wedge tool moving member With threaded operator To move conoid member To actuate pivotally mounted tools For movement of conoid members relative to each other
418 419 420 421 422 423 424 425 426 427 428	Flat card .To electrical machine to abrade commutator .To cutting machine to sharpen bladeRotary abrading toolRotary reciprocating toolWork actuatedStationary abrading tool .Roll or wheel abraderRotary reciprocating toolReciprocating toolReciprocating toolNut-and-screw-type driveStationary abrading tool	468 469 470 471 472 473	 Including self-sustaining tools With discrete nondestructible tool-securing means Including conoid or wedge tool moving member With threaded operator To move conoid member To actuate pivotally mounted tools For movement of conoid members relative to each other By conoid member with screw
418 419 420 421 422 423 424 425 426 427 428 429	Flat card .To electrical machine to abrade commutator .To cutting machine to sharpen bladeRotary abrading toolRotary reciprocating toolWork actuatedStationary abrading tool .Roll or wheel abraderRotary reciprocating toolReciprocating toolReciprocating toolNut-and-screw-type driveStationary abrading toolTo rail	468 469 470 471 472 473 474 475	 Including self-sustaining tools With discrete nondestructible tool-securing means Including conoid or wedge tool moving member With threaded operator To move conoid member To actuate pivotally mounted tools For movement of conoid members relative to each other By conoid member with screw threads
418 419 420 421 422 423 424 425 426 427 428 429 430	Flat card .To electrical machine to abrade commutator .To cutting machine to sharpen bladeRotary abrading toolRotary reciprocating toolWork actuatedStationary abrading tool .Roll or wheel abraderRotary reciprocating toolReciprocating toolReciprocating toolNut-and-screw-type driveStationary abrading toolTo rail .Valve or valve seat abrader	468 469 470 471 472 473	<pre>Including self-sustaining toolsWith discrete nondestructible tool-securing meansIncluding conoid or wedge tool moving memberWith threaded operatorTo move conoid memberTo actuate pivotally mounted toolsFor movement of conoid members relative to each otherBy conoid member with screw threadsIncluding plural conoid</pre>
418 419 420 421 422 423 424 425 426 427 428 429 430 431	Flat card .To electrical machine to abrade commutator .To cutting machine to sharpen bladeRotary abrading toolRotary reciprocating toolWork actuatedStationary abrading tool .Roll or wheel abraderRotary reciprocating toolRotary reciprocating toolRotary reciprocating toolRotary reciprocating toolRotary reciprocating toolNut-and-screw-type driveStationary abrading tool .To rail .Valve or valve seat abraderOrbital tool	468 469 470 471 472 473 474 475	 Including self-sustaining tools With discrete nondestructible tool-securing means .Including conoid or wedge tool moving member With threaded operator To move conoid member To actuate pivotally mounted tools For movement of conoid members relative to each other By conoid member with screw threads Including plural conoid members
418 419 420 421 422 423 424 425 426 427 428 429 430 431 432	Flat card .To electrical machine to abrade commutator .To cutting machine to sharpen bladeRotary abrading toolRotary reciprocating toolWork actuatedStationary abrading tool .Roll or wheel abraderRotary reciprocating toolReciprocating toolRut-and-screw-type driveStationary abrading toolNut-and-screw-type driveStationary abrading tool .To rail .Valve or valve seat abraderOrbital tool .To sewing machine	468 469 470 471 472 473 474 475 476 477	Including self-sustaining toolsWith discrete nondestructible tool-securing meansIncluding conoid or wedge tool moving memberWith threaded operatorTo move conoid memberTo actuate pivotally mounted toolsFor movement of conoid members relative to each otherBy conoid member with screw threadsIncluding plural conoid membersIncluding key-way or spline
418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433	Flat card .To electrical machine to abrade commutator .To cutting machine to sharpen bladeRotary abrading toolRotary reciprocating toolWork actuatedStationary abrading tool .Roll or wheel abraderRotary reciprocating toolRotary reciprocating toolRotary reciprocating toolRotary reciprocating toolNut-and-screw-type driveStationary abrading tool .To rail .Valve or valve seat abraderOrbital tool .To sewing machineTo be driven by flywheel	468 469 470 471 472 473 474 475 476 477 478	Including self-sustaining toolsWith discrete nondestructible tool-securing meansIncluding conoid or wedge tool moving memberWith threaded operatorTo move conoid memberTo actuate pivotally mounted toolsFor movement of conoid members relative to each otherBy conoid member with screw threadsIncluding plural conoid membersIncluding key-way or splineConoid member
418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434	Flat card .To electrical machine to abrade commutator .To cutting machine to sharpen bladeRotary abrading toolRotary reciprocating toolWork actuatedStationary abrading tool .Roll or wheel abraderRotary reciprocating toolRotary reciprocating toolRotary reciprocating toolRotary reciprocating toolNut-and-screw-type driveStationary abrading tool .To rail .Valve or valve seat abraderOrbital tool .To sewing machineTo be driven by flywheel .To vehicle	468 469 470 471 472 473 474 475 476 477	<pre>Including self-sustaining toolsWith discrete nondestructible tool-securing meansIncluding conoid or wedge tool moving memberWith threaded operatorTo move conoid memberTo actuate pivotally mounted toolsFor movement of conoid members relative to each otherBy conoid member with screw threadsIncluding plural conoid membersIncluding key-way or splineConoid memberConoid memberIncluding gear actuated tool</pre>
418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435	Flat card .To electrical machine to abrade commutator .To cutting machine to sharpen bladeRotary abrading toolRotary reciprocating toolWork actuatedStationary abrading tool .Roll or wheel abraderRotary reciprocating toolReciprocating toolReciprocating toolNut-and-screw-type driveStationary abrading tool .To rail .Valve or valve seat abraderOrbital tool .To sewing machineTo be driven by flywheel .To vehicle .To lathe	468 469 470 471 472 473 474 475 476 477 478	Including self-sustaining toolsWith discrete nondestructible tool-securing meansIncluding conoid or wedge tool moving memberWith threaded operatorTo move conoid memberTo actuate pivotally mounted toolsFor movement of conoid members relative to each otherBy conoid member with screw threadsIncluding plural conoid membersIncluding key-way or splineConoid member
418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434	Flat card .To electrical machine to abrade commutator .To cutting machine to sharpen bladeRotary abrading toolRotary reciprocating toolWork actuatedStationary abrading tool .Roll or wheel abraderRotary reciprocating toolRotary reciprocating toolRotary reciprocating toolRotary reciprocating toolNut-and-screw-type driveStationary abrading tool .To rail .Valve or valve seat abraderOrbital tool .To sewing machineTo be driven by flywheel .To vehicle	468 469 470 471 472 473 474 475 476 477 478	<pre>Including self-sustaining toolsWith discrete nondestructible tool-securing meansIncluding conoid or wedge tool moving memberWith threaded operatorTo move conoid memberTo actuate pivotally mounted toolsFor movement of conoid members relative to each otherBy conoid member with screw threadsIncluding plural conoid membersIncluding key-way or splineConoid memberConoid member</pre>

480	Including lever actuated tool mover	513	.Including endless band tool holding member
481	Including hydraulically actuated tool mover	514	.Including resiliently urged tool holding member
482	Including thread actuated tool	515	Separable
	mover	516	Rotatable
483	Interrelated to move plural	517	Biased for tool disengagement
	tools	518	Cantilever-spring actuated
484	Including resiliently urged	519	Coil-spring actuated
	tool	520	.Including tool holder having
485	By coil spring		tool surface depressor
486	.Including tools resiliently	521	.Including threaded means to
405	urged toward work		retain tool holder
487	CARRIER FOR A RADIALLY MOVABLE TOOL	522	Including bar or plate tool holding member
488	VENTILATION OR COOLING OF TOOL OR	523	.Manually manipulated
	TOOL SUPPORT	524	By handle
489	FLEXIBLE-MEMBER TOOL MOUNTED ON	525	Detachable from tool support
	PLURAL ROLLS	526	FLEXIBLE-MEMBER TOOL, PER SE
490	TOOL SUPPORT FOR FLEXIBLE-MEMBER	527	.Interrupted or composite work
401	TOOL	02.	face (e.g., cracked,
491	.With tool supply or storage		nonplanar, etc.)
492	Coiled tool	528	Uniform thickness nonplanar
493	On spool or axle	529	Sectional
494	.Having magnetic or suction tool holding means	530	.Work face variegated or on projecting backing
495	.Contour-adjustable support	531	.Splice or joint
496	.Including tool holding slot in	532	.Comprising fibers
	rotary tool support	533	.Laminate
497	Separable along slot	534	Discontinuous or differential
498	Diametrically separable		coating impregnation or bond
499	With tool tensioning means	535	Coil wound
500	By rotary gripping element	536	Integrated strands
501	Including threaded element	537	Non-coextensive laminae
502	.Including longitudinal tool	538	Strippable layer or component
	holding slot	539	Abrasive on one surface only
503	Separable along slot	540	RIGID TOOL
504	.Including expansible external	541	.Rotary cylinder
	surface	542	Circular segments
505	Hydraulically actuated	543	Detachable
506	Centrifugally actuated	544	Laminated
507	Actuated by compression of	545	Work guide
	support	546	Reinforced
508	.Including headed, axially	547	Ribbed periphery
	disposed, tool holding member	548	.Rotary disk
	on rotary support	549	Work guide
509	Tool holding member	550	Disk laps
	disconnected from support by	551	Scroll
	partial rotation	552	.Stationary
510	With threaded means to retain	553	Metal
	tool holding member	554	Having oiler or moistener
511	Including conical tool holding	555	Work quide
	member	556	Razor hone
512	.Including taper or wedge tool	557	.Having actuating handle
	holding member	337	decadering manare

CLASS 451 ABRADING 451 - 7

558	Work guide
559	MISCELLANEOUS

CROSS-REFERENCE ART COLLECTIONS

900	GEAR ABRADER
901	SUPER FINISH
902	BRAKE ABRADING
903	EGG CLEANING
904	FLEXIBLE ABRASIVE STORAGE REEL
905	METAL LAP
906	MACHINE ELEMENT OR UNIT
907	STRIP FEEDING
908	ELECTRICAL ABRADING
909	WIRE POLISHING
910	ULTRASONIC
911	TOOL MOUNTING POINT
912	SHOE ABRADING
913	CONTOUR ABRADING
914	SUPPORTING, POSITIONING, OR
	FEEDING WORK
915	ABRADING WHEEL SPEED CONTROL
916	ABRADING OF BRUSH BRISTLE
917	ABRADING OF SCALLOPED CUTTING
	EDGE (E.G., BREAD KNIFE
	SHARPENING)
918	ADJUSTABLE WORK SUPPORT (E.G., B)
	SINE BAR)
919	WANKEL
920	TIRE "ROUNDING"
0.21	HDADH FOR I FMC CHARING TOOL

FOREIGN ART COLLECTIONS

FOR CLASS-RELATED FOREIGN DOCUMENTS